

Coaxial Band-pass Filter

5-10GHz/ SMA Female

Model: TLBF-5G-10G-X2

TLBF-5G-10G-X2 is a coaxial band-pass filter with a passband frequency from 5 to 10 GHz and a rejection frequencies from 0 to 4.1GHz and 12 to 40GHz. The nominal insertion loss of the filter is 2.0dB and the typical rejection is 50 dB.

Features:

- Passband Frequency Range: 5 to 10GHz
- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

Applications:

- Instrumentations
- Radar Systems
- System Integrations

电气特性 Electrical Characteristics:

参数 Parameter	Min	Typ	Max	单位 Units
通带频率范围 Passband Frequency range	5		10	GHz
通带插损 Passband Insertion Loss			2.0	dB
带内纹波 Pass Band Ripple			1.6	dB
带外抑制 Rejection	>50dB@dc-4.1Ghz 12-40Ghz			dB
耐受功率 Power Handling			15	W
输入驻波 Input VSWR			2.0	:1
输出驻波 Output VSWR			2.0	:1
阻抗 Impedance	50			Ohms

环境和机械特性 Envriionmental And Physical Characteristics:

类型 Description	参数 Parameter	单位 Units
操作温度 Operating Temerature	-40 To +70	℃
存储温度 Storage Temerature	-40 to +70	℃
接口 Connectors	SMA Female	

外形图 Outline Drawing: Unit:mm;



ESD Protection: Strictly
adhere to ESD precautions
to prevent electrostatic
damage.

订货信息 Ordering Information:

标准型号 Base Number	描述 Description	版本号 Revision
TLBF-5G-10G-X2	Coaxial Band-pass Filter, Passband frequency range: 5 to 10GHz , Passband Insertion Loss: 2.0dB, SMA Female	Rev.1.0